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| <b>NWS Form E-5</b><br>(04-2006)<br>(PRES. BY NWS Instruction 10-924)  | <b>U.S. DEPARTMENT OF COMMERCE</b><br><b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b><br><b>NATIONAL WEATHER SERVICE</b> | HYDROLOGIC SERVICE AREA (HSA)<br><b>San Angelo, TX</b>                                    |
| <b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>   |   | REPORT FOR:<br>MONTH                      YEAR<br><b>August                      2008</b> |
| TO: Hydrologic Information Center, W/OS31<br>NOAA's National Weather Service<br>1325 East West Highway<br>Silver Spring, MD 20910-3283 |   | SIGNATURE<br>Jason Johnson<br><br>DATE<br><b>September 24, 2008</b>                       |

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

During the month of August, rainfall was variable across the hydrologic service area (HSA). Much of the area within the mainstem Colorado River Basin from E.V. Spence Reservoir to just downstream of Winchell received rainfall amounts from three to six inches for the month. Areas across the southern portion of the Big Country also received as much as six inches of rain. While much of the region was under a ridge of high pressure during the first half of the month, remnants of Tropical Storm Edouard were forced into central Texas (Aug. 6) and tracked north across the eastern Heartland into the Big Country. By the middle of the month, the ridge was breaking down and a cold front rolled in on the 16<sup>th</sup> and 17<sup>th</sup> that produced beneficial rain across much of the area. The estimated monthly total rainfall and monthly percent of normal rainfall images are shown at the end of this report. During August, the U.S. Drought Monitor followed the improving conditions across the northern half of the HSA.

The average precipitation reported from coop observers in August was 3.93 inches. The highest monthly precipitation total of 7.99 inches was reported in Taylor County. Coop observers in Coke, Callahan, Fisher, Schleicher and Taylor Counties received over 6.00 inches of rain in August.

The San Angelo Regional Airport received 3.59 inches of precipitation during August, which was 1.54 inches above normal for the month. The monthly normal rainfall for San Angelo in August is 2.05 inches.

The Abilene Regional Airport received 6.31 inches of precipitation during August, which was 3.68 inches above normal for the month. The monthly normal rainfall for Abilene in August is 2.63 inches. The monthly total amount of 6.31 inches was the 10<sup>th</sup> wettest August on record at Abilene.

Junction received 4.91 inches of rain during August. The estimated average monthly rainfall in August is about 2.75 inches.

**Coop Observer Rainfall Totals for August, 2008:**

| Station Name  | Amount (in) |  | Station Name            | Amount (in) |
|---------------|-------------|--|-------------------------|-------------|
| Abilene 2     | 7.99        |  | Mertzon 12NNW           | 0.57        |
| Acton Ranch   | 3.53        |  | Ozona                   | 2.47        |
| Albany        | 3.55        |  | Ozona 2                 | 2.30        |
| Anson         | 2.35        |  | Ozona 22SE              | 2.37        |
| Ballinger 2NW | 5.41        |  | Paint Rock              | 3.34        |
| Blackwell 6NE | 3.93        |  | Putnam                  | 6.47        |
| Brady         | 2.36        |  | Red Bluff Crossing      | 1.59        |
| Brownwood     | 4.68        |  | Robert Lee              | 6.49        |
| Burkett       | 5.80        |  | Roscoe                  | 6.18        |
| Coleman       | 2.62        |  | Rotan                   | 2.47        |
| Concho Park   | 5.88        |  | San Angelo WFO          | 4.86        |
| Eden          | 2.59        |  | San Saba 7NW            | 3.44        |
| Eldorado      | 3.44        |  | Santa Anna 12SSE        | 3.66        |
| Eldorado 10W  | 6.13        |  | Silver Valley           | 3.43        |
| Fort Griffin  | 4.54        |  | Sonora                  | 5.22        |
| Fort McKavett | 3.01        |  | Stamford                | 2.73        |
| Glen Cove 2NE | 4.54        |  | Sterling City           | 5.43        |
| Hamlin        | 0.85        |  | Taylor Ranch            | M           |
| Haskell       | 4.60        |  | Telegraph               | 2.30        |
| Hords Creek   | 3.18        |  | Throckmorton 7NE        | 4.00        |
| Humble Pump   | 2.91        |  | Water Valley            | 3.57        |
| Junction 4SSW | 3.46        |  | Water Valley 11NE       | 4.95        |
| Lawn          | 3.64        |  | Winters 1NE             | 4.72        |
| London 3N     | 2.51        |  | Woodson                 | 5.94        |
| Mason         | 4.40        |  |                         |             |
| Menard        | 5.17        |  | (M) <i>Missing data</i> |             |
| Merkel 12SW   | 6.41        |  | (T) <i>Trace</i>        |             |

**Reservoir Conditions (end of August, 2008)**

| <b>Reservoir</b>   | <b>Conservation<br/>Capacity<br/>(Ac-Ft)</b> | <b>End of Month<br/>Capacity<br/>(Ac-Ft)</b> | <b>Percent of<br/>Capacity<br/>(%)</b> |
|--------------------|--|--|--|
| Fort Phantom Hill  | 70,030                                       | 67,210                                       | 96                                     |
| Lake Stamford      | 52,700                                       | 38,710                                       | 75                                     |
| Hubbard Creek Lake | 317,800                                      | 289,770                                      | 91                                     |
| Hords Creek Lake   | 8,800  | 5,930  | 73                                     |
| Lake Brownwood     | 131,428                                      | 107,940                                      | 82                                     |
| E.V. Spence        | 488,760                                      | 63,950                                       | 12                                     |
| O.C. Fisher        | 119,200                                      | 7,070  | 6                                      |
| O.H. Ivie          | 554,340                                      | 335,400                                      | 61                                     |
| Twin Buttes        | 177,800                                      | 64,520                                       | 36                                     |

**Hydro Products Issued**

FFA = 6

FFW = 3

FFS = 2

FLS = 25 (Urban/Small Stream Advisory)

DGT = 1 (Drought Information Statement)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for August across the San Angelo HSA is depicted below.

